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RYRYR DE ANARTS RYRYR DE ANARTS RYRYR DE ANARTS RYRYR
A.N.A.R.T.S. News Bulletin 1395 for 7th of May 2006
Views expressed in this news bulletin are not necessarily
those of the Broadcast Officer, the Relay Officers, or of
the Society.
Items in this broadcast include
1. Cols column
2. IPS REPORT
3. VK2SG RTTY DX report
4. OPDX Bulletin
5. Anarts Information
Col's Column

Propagation of Radio Waves.
Sky Waves and the Nature of the Ionosphere.
During the night hours, when the process of recombination
is taking
place, the D layer disappears, the electron density of
the E layer
is greatly reduced and the F1 and F2 layers combine to
form the F
layer which occupies approximately the same position in
space as does
the F1 layer in daylight hours.
Not only does the maximum electron density in the layers
vary with
the time of day (Diurnal Variation), but also with
seasonal changes.
As the position of the Sun relative to the Earth moves
with the changes
in season from one hemisphere to another, the maximum
electron density
shifts correspondingly.
In the E and F1 layers, the maximum electron density
follows regular
diurnal and seasonal changes, being greatest at noon and
tapering off
at earlier and later hours, and also being somewhat
greater in summer
than in winter.
The maximum electron density in the F2 layers shows a
much larger
diurnal and seasonal cycle, and also shows a much larger
random
fluctuation from day to day.
In addition to diurnal and seasonal changes, there are
several other
solar and ionospheric phenomena which influence the
electron density
and heights of the ionised layers.
These phenomena will be the subject of next weeks part of
this article.
As we get deeper into this subject I will scan some
sketches relating to
this subject and place them on Anarts Web Site
http://www.anarts.com.au
73's for this week
Col VK2CTD.
cq cq de vk2tty vk2tty
IPS Weekly Solar and Geophysical Report 28 Apr/4 May.
SUMMARY
Date 28 29

30 01 02
03 04
10cm flux 100 101 100
93 89 89 92
AFr index 10   2
0   2   4
2   7 est
Aaus index 10
2   1   1
3   1 10 est
T index   39 31
35 28 31
36 38
Solar flare activity was very low on 2/3rd May and low
otherwise.
Geomagnetic activity observed for the Australian Region
was quiet
to active on 28th and 4th May and quiet otherwise.
Southern Australian Ionospheric F2 critical frequencies
were near
predicted to 30 percent enhanced on 28th 30th 1st and 2nd
near
predicted to 15 percent enhanced on 29th near predicted
to 25 per
cent enhanced on 3rd and near predicted to 40 percent
enhanced on 4th.
Forecast for 5/11th May
Solar activity should be very low to low.
Geomagnetic activity should see active to minor storm on
5/6th
unsettled to active on 7th active on 11th and quiet to
unsettled
on other days.
Frequencies should have minor to significant depressions
on 5/6th
minor to moderate depressions on 7th and 11th and near
predicted
monthly values on other days.
courtesy of the IPS Radio and Space Services
summary by Pat VK2JPA ANARTS Broadcast Officer
cq cq de vk2tty vk2ttty
VK2SG RTTY DX NOTES WEEKENDING 4 MAY 06
Our thanks this week go only to AA5AU DJ3IW GU0SUP UT5RP
K3GP
OH2AQ DXSummit.
Bandpass:
Friday 28
0107-10141 8N6HIGO/6
0228--7044 YK1BA
0632-10141 8N6HIGO/6
0954-18101 8N6HIGO/6
1037-18102 JI3DST/JS6
1132-14080 YU150AU
1347-14084 TF3GC
1356-18103 9M6/G3OOK
1445-14083 IM0MBP
1530-14087 CU6NS
1558-14081 JY4NE
1601-18104 TI8CBT
1621-10146 RX0AE
1638-14086 EK6TA
1708-14094 9M6/G3OOK
1808-14083 ER3MM

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1912-14087 TI8CBT
1925-14081 TR8CA
2006-14087 CN8YZ
2035-10131 WP3C
2058-10129 OX3DB
2059-14085 XE1ISS
2117-14085 P29ZAD
2124-14088 HC5T
2201-14081 FM5AA
2300-14089 SV9CYY
2328-18101 8N6HIGO/6
2336--7037 YM125ATA
cq cq cq de vk2tty vk2tty
Saturday 29
0008--7037 YM125ATA
0043-14084 TG9SM
0111--7037 J5TRJ
0225--7041 HR2/LU1DY
0243--7045 YK1BA
0255-10141 8N6HIGO/6
0322--7040 HP1JRA
0347--7038 HQ2LAS
0537-14083 OA4DJW
0842-18109 JW0HZ
0917-14086 TZ6JBH
0935-18104 UN6G
0936-14082 UA0FAI
1014-21081 JY4NE
1108-21102 JI3DST/JS6
1127-14085 TF3GC
1155-14088 TF3AO
1156-14085 XE3ISS
1213-21086 9J2CA
1215-14082 BD7KLO
1233-14087 JY4NE
1252-14087 VR2XMT
1354-21087 3B9FR
1404-18101 TR8CA
1427-18107 3B9FR
1434-18101 OX3DB
1440-18107 3B9FR
1502-14087 3B9FR
1544-14093 T88LZ
1628-18103 TR8CA
1633-14086 A6/A92DU
1653-14083 4L8A
1703-18103 CN8KD
1725-14087 EN20FY
1855-14083 XU7ABN
1902-14081 SV8KOM
2012-14088 JW0HZ
2019-14089 WP3C
2023-14088 XE1ZVO
2045-14080 P29ZAD
2052-14087 V44KJ
2055-10138 ES6DO
2147-14088 HK6DOS
2150-14089 YL2BR
2312-14090 TF3GC
2316-14083 HC5T
2321-14086 V44KJ
2332--7038 TF3GC
2343-14082 VR2XMT
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2354-14085 HR2/LU1DY
cq cq cq de vk2tty vk2tty
Sunday 30
0116-14084 V44KJ
0204-14081 XE1ZVO
0251-14085 EP3AG
0304-14084 UK8FF
0629-18102 YJ0AWG
0707-18105 UA0FAI
0710-18103 EA6BH
0823-10135 KP4JRS
0920-14086 ED8FD
0931-18108 JW0HZ
0958-14087 CU6NS
1011-21081 JY4NE
1017-21082 EA8ABQ/P
1026-21085 TK5IH
1132-14080 VR2XMT
1147-14084 TF3GC
1154-14089 ED8FD
1200-21085 JY4NE
1201-21084 TA1DX
1222-21081 KP4JRS
1303-14088 VR2MY
1336-14086 HR2/LU1DY
1341-14083 UN7PYL
1342-18108 EK6TA
1347-14090 E21YDP
1400-14081 TF3AO
1406-14086 DS3DGA
1456-14082 BX4AQ
1531-14087 UN8PIM
1536-14084 EP3AG
1540-14085 TF3GC
1615-14084 4K5D
1631-24903 TR8CA
1705-14096 SV9CVY
1722-10139 JW0HZ
1806-14095 5Z4ES
1827-14094 TA1DX
1943-18108 WP3C
1945-18102 CN8KD
2011-14085 FG5FI
2014-14096 9A150NT
2034-14087 JW0HZ
2037-14084 KP4AH
2058-14092 V44KJ
2115-14080 P29AZD
2139-14085 CO2IZ
2145-14082 CO2GL
2147-14096 E21YDP
2148-14083 TF3PPN
2150-14094 T88LZ
2200-14083 AL7R
2254-18107 VR2XMT
2325-14086 TF3PPN
cq cq cq de vk2tty vk2tty
Monday 01
0007-14086 EA6AZ
0033-14085 HR2/LU1DY
0052-14088 XE1KK
0132-14084 FM5AA
0324-10138 R10DIG
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0342-14083 AL7R
0350-14090 UN8PIM
0458-14079 VK9NS
0706-14084 KP4ED
0715-21080 JY4NE
0822-21087 3B9FR
0853-21082 JW0HZ
0841-21080 7W1LII
1004-14083 TF3AO
1040-14086 9A150NT
1111-14090 R10DIG
1210-14079 P29ZAD
1231-18103 UN7PBY
1243-14086 E21YDP
1301-18106 TF3AO
1305-18104 TF3PPN
1307-18102 TF3GC
1309-14081 UK8OAR
1338-14083 IM0MBP
1434-18102 5H3WJ
1435-18107 TI8CBT
1444-14088 BG3APX
1500-18101 OX3DB
1522-21089 3B9FR
1608-18107 3B9FR
1645-18106 JW4GHA
1648-18107 UN7G
1712-18106 TR8CA
1724-18102 KP4ED
1727-14085 4K5D
1754-18104 HK4SAN
1756-14084 C31BO
1804-18108 YM125ATA
1916-14081 FG5FI
1926-10144 JW0HZ
1926-14082 V44KJ
1929-18101 HP1JRA
2024-14086 CT3IA
2106-14088 AL7R
2125-10139 CN8HK
2127-14084 T88LZ
2138-14083 EA9IB
2214-14082 HP1JRA
2258-14083 OX3JZ
2313-14090 CO8AW
2326-14083 9K2YM
cq cq cq de vk2tty vk2tty
Tuesday 02
0001-14082 V44KJ
0002-14083 9K2YM
0005-14086 HR2/LU1DY
0022-14081 AL7R
0335-14078 YK1BA
0349-14089 SV9CVY
0435-14081 R10DIG
0436-14081 VK9NS
0615-10138 R10DIG
0640-14085 KP4ED
0747-14085 NL7G
0952-14084 EP3AG
1011-18102 EK6VA
1113-14087 9A150NT
1114-14087 V44KJ
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1118--7028 JI3DST/JS6
1154-10137 R10DIG
1159-21105 JI3DST/JS6
1233-14082 VR2XMT
1247-14090 E21YDP
1250-14088 YB0COU
1252-14081 UN7PBY
1300-14092 DU7/G4DUM
1341-14086 UE9SWA
1407-18102 9M6/G3OOK
1408-18098 9K2CQ
1437-24900 9K2CQ
1440-18101 TI8CBT
1443-18109 JW0HZ
1448-18104 UN8PIM
1508-21097 9K2CQ
1527-18103 6W/HA3AUI
1544-18100 UN6G
1559-18104 FM5AA
1602-10140 6K2DFG
1651-14092 ST2T
1707-18104 4S7AB
1736-14086 4K5D
1744-14082 4X58ID
1749-21084 9Q/ON7KEC
1859-14081 EK6TA
1949-14084 ES0IC
2008-10138 JY4NE
2101-10142 OX3DB
2118-10143 CN8KD
2136-14082 AL7R
2208-14087 JY4NE
2216-14090 4U1WB
2243-14084 YK1BA
2305-14089 HK6DOS
2352-14083 V44KJ
Wednesday 03
0009-14085 V44KJ
0013-14087 CU2AF
0121-14083 UN7PBY
0140-14082 PY2YM
0212-14089 SV9CVY
0326-14086 XE3ISS
0459-14081 EK6TA
0500-14082 4X58ID
0600-14087 R10DIG
0941-14080 P29ZAD
1039-14086 EA8/DL3FCG
1200-14082 HF80LKK
1203-21083 EA9IB
1208-14089 HK4QHD
1222-21083 CU6NS
1315-21085 KP4ED
1359-21083 JY4NE
1416-14085 JY4NE
1441-14086 9V1CW
1504-14080 BG3APX
1508-14084 EU7SA
1523-14080 TF3GC
1528-14082 4L4KK
1535-14088 OX3JG
1553-18107 3B9FR
1554-14088 JW0HZ

1649-14081 A6/A9DU
1716-14087 TR8CA
1854--7037 4L4KK
1921-14090 SV9CVY
2053-14080 EA9IB
2105-10139 VR2BG
2132-10146 9K2KL
2135-14084 CU6NS
2145-14088 TF3PPN
2204-14085 TF3AO
2209-10137 HP1AC
2210-14084 CO2GL
2318-14089 EA6AZ
cq cq cq de vk2tty vk2tty
Thursday 04
0023-14085 7X2LS
0147-14084 V44KJ
0224-14085 XQ1KY
0309-14085 XE1ISS
0316--7038 R10DIG
0438-14081 VK9NS
0732-21081 JY4NE
0941-18107 KH2/JK1FNN
1042-18100 JT1Y
1043-21080 P29ZQD
1044-21105 JI3DST/JS6
1124-14088 HK4QHD
1224-18103 HK4QHD
1226-21082 EW9IX
1248-14080 XE3ISS
1250-18100 VQ9LA
1308-14081 UE9SWA
1313-14086 HS0SSR
1355-14086 EX2M
1425-14078 HL5BDD
1427-21076 YC0KMY
1441-14084 TF3GC
1509-14083 9N2MT
1515-14085 A47RS
1527-18103 YU150AU
1540-14080 JY4NE
1546-14086 JT1CO
1602-14085 TI8CBT
1654-14086 R1TTY
1657-14088 4K5D
1703-14083 BI3H
1714-21081 9Q/ON7KEC
1817-14082 4N1SD
1822-14077 EX2M
Notes of interest:
HAITI, HH. Look for PS7EB from Port au Prince from 80/1om
no 30m
available. He will operate in spare time from there. Qsl
direct
or via bureau. Modes include SSB RTTY and CW.
NORFOLK, VK9. The Oceania Amateur Radio DX Group will be
active
May 25/June 20 on 160-6m CW SSB and RTTY. QSL OK via Buro
or
direct ODXG PO Box 612, Childers, 4660, Australia. The
group still
need a CW operator. They will use the special call VI9NI.
You can also subscribe to the digital-dx reflector - send

an
email message to majordomo at mla.nifty.ne.jp as follows
Subject: (blank) Message Body: subscribe digital-dx
For next weeks bulletin send your bandpass and notes of
interest
to Goetz DJ3IW
Gl de Luciano I5FLN
cq cq de vk2tty vk2tty
The Ohio/Penn DX Bulletin No. 758 - excerpts
EO, UKRAINE (Special Event)
Look for special event station EO61G May 4-14th. Activity
is to
commemorate the 61th anniversary of the end of World War
II. QSL
via UR3GM, by the Ukraine QSL Bureau or direct to Igor
Pulin,
Box 23, Kherson 73022, UKRAINE. QSLs can be requested by
sending
an Email to ur3gm at tlc.kherson.ua
HH, HAITI (Also, PJ2)
Look for Fabio PY1ZV to be active from Hispaniola Island
(NA-096)
as HH/PY1ZV May 31-June 8. Activity will be during his
free time
on 80-10m (WARC bands included) with a TS570D+ multi-band
Comet
antenna (80-10m). Fabio is a member of the Brazilian
Military
Forces and will be at the capital of Port-au-Prince
located in the
Brazilian Mariners Group, a unity component of the
Brazilian military
forces in disposition to the United Nations International
Peace and
Stabilization Mission in Haiti - MINUSTAH. Fabio plans to
go to
Curacao (Netherland Antilles, Archip. Bonaire and Curacao
- NA-006),
Jun 10-14th, and will probably use the callsign PJ2/PY1ZV.
There is
a good possibility he will operate as PY1ZV/MM during his
voyages
between islands May 10-17th - From Fortaleza
(Ceara-Brazil) to
Port-au-Prince (Haiti) Jun 8-10th - From Haiti to Curacao
Jun 14th-
Jul 8th - From Curacao to Rio de Janeiro (RJ-Brazil). QSL
of all
activities via PY4KL (www.powerline.com.br/cwjf), Bureau
or direct
to CWJF PO Box 410, 36001-970 - Juiz de Fora-MG, Brazil
(w/SASE/SAE
+ 1 IRC/1 USD for stateside or 2 IRCs/2 USDs for DX
stations).
HH, HAITI
Glauber PS7EB is also expected to be active from here as
HH/PS7EB
Jun 1st-Nov 25th. Activity will be during his free hours
of his work
as a member of the Brazilian Army in the Peace Force of
UN - MINUSTAH.
Operations will be on 80/40/20/17/15/10m on SSB RTTY and
CW-QRS with

an IC-746 PRO and a DXV8 antenna. Also look for him to possibly be
active as PS7EB/MM during his voyage with his military unit to
Port-au-Prince Haiti, beginning Apr 30th Glauber plans to be an entry
in the first CQ CWJF All America CW Contest (May 20-21st).
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IOTA NEWS
EU-189. (Update) A new DXpedition to the Isle of Rockall has been
announced to take place on Jun 16. Operators mentioned are Jacek
/SP5DRH Jim/MM0CWJ Witold/SP5LCC and Terje/LA3OHA. Joining the
operators will be Al Baker (mountain climber leader) and John
Cunningham (second mountain climber and a professional photographer).
The team plans to operate on the following suggested frequencies
(the list is not final):
CW - 1822 3505
7005 10105 14020 18080 21020 24895 28020
SSB - 1840 3790
7060 14195 18145 21295 24950 28600
RTTY - 14080 21080
and 28080
PSK31 - 14071 21071 and 28071 kHz
FM - 29.200 MHz
6m - CW/50.095
and SSB/50.145 MHz
The QSL manager for the Rockall DXpedition is LA7M via direct only.
For more info visit the following Web page at
http://www.dxpedition.org/index.php
ISWL ACTIVITY
The International Shortwave League (ISWL) continues to celebrate
with their 60th (Diamond) Anniversary throughout the month of May.
Look for the following stations to be active
GB6SWL Active for three days (May 6-7 and 9) from Ellesmere Port in
Cheshire.
Geof M0BAU will be the main operator, Active for two weekends May
13-14 and May 20-21)
From Walton on the Naze Essex, Herbie G6XOU will be the main operator,
Active for three days (May 27-29
From Kidderminster in Worcestershire, Tony G4ZIB will be the main
operator.
GB60SWL - Will be active on Sat May 27 from The Air Training Corps HQ
in Carnoustie Angus Scotland. Andy MM0CXA will be the main operator
and several other ISWL members will also be on the air during the day.
Also look for GX4BJC/P and MX1SWL/P (both ISWL Club callsigns) to be

active throughout May. The ISWL Awards Program is open to
non members
for a very small fee to cover postage to any country in
the world.
For more details including QSL information and Special
Diamond
Anniversay Awards etc see http://www.iswl.org.uk
SP0, POLAND (Special Event)
Look for special event station SP0TPFK to be active
between May 1-31st
to celebrate the 80th anniversary of the Lviv Shortwave
Club (LKK)
one of the first radio amateur clubs in Europe. TPFK was
the callsign
of the LKK Clubs HQ station. Please QSL via SP2FAP
Sylwester
Jarkiewicz Suchacz-Zamek, ul. Wielmozy 5b, 82-340
Tolkmicko, Poland.
The station offers points for their Anniversary Award.
For more info
see QRZ.com (SP0TPFK).
cq cq cq de vk2tty vk2tty
The Society can be contacted in the following ways:
To Pat VK2JPA via patleeper at optusnet.com.au or
Col VK2CTD via ctdavies at bigpond.net.au or
you can drop a line to PO Box 93 Toongabbie NSW 2146.
73s for this week from Pat VK2JPA Broadcast Officer.
NNNN
end of broadcast, please standby for callbacks taken by
vk2ctd
cq de vk2tty sk sk